

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/019158

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl. G03H1/04 (2006.01), B23K26/00 (2006.01), B23K26/08 (2006.01), G02F1/01 (2006.01), H01S3/00 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl. G03H1/04 (2006.01), B23K26/00 (2006.01), B23K26/08 (2006.01), G02F1/01 (2006.01), H01S3/00 (2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2006
Registered utility model specifications of Japan 1996-2006
Published registered utility model applications of Japan 1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-25085 A (SEIKO EPSON CORPORATION) 2003.01.28, Page 4 Left column Line 40-45 and Right column Line 1-6, Page 5 Left column Line 5-7, and Fig.1 (Family:None)	1-19
A	EP 540759 A1 (SEIKO EPSON CORPORATION) 1993.05.12, Page 5 column 7 Line 28-51, Page 6 column 9 Line 45-51, Page 7 column 12 Line 54-58, and Fig.1 & JP 2002-207202 A	1-19
A	JP 2002-49002 A (Hamamatsu Photonics K.K.) 2002.02.15, Page 3 Left column Line 46 to Right column Line 2 and Right column Line 38-42, Page 4 Right column Line 30-40, and Fig.1 (Family:None)	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
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 "O" document referring to an oral disclosure, use, exhibition or other means
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 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
12.01.2006Date of mailing of the international search report
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-223766 A (SEIKO EPSON CORPORATION) 2000.08.11, Page 5 Left column Line 19-24 and Right column Line 22-29, and Fig.3 (Family:None)	1-19